FORM PTO-1449

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 1744.1260001 APPLICATION NO. 09/855,851

APPLICANT

Sorrells et al.

PILING DATE May 16, 2001 GROUP 2685

		т		U.S. PATI	ENT DOCUMENTS			
EXAMINER INITIAL		DOCUMENT NUMBER	D	ATE	NAME .	CLASS	SUB- CLASS	FILING DATE
	AA							
,)	AB							
LULI	AC50	5,633,815	0	5/1997	Young		_	
	AD50	3,246,084		4/1966	Kryter			1
	AE50	3,702,440	- f	1/1972	Moore		 	
	AF50	3,767,984		0/1973	Shinoda et al.			
	AG50	3,852,530		2/1974	Shen			
	AH50	4,220,977		9/1980	Yamanaka		-	
	AI50	5,016,242		5/1991	Tang			
	,	1 0,0 (0,2)2	1 0.		ATENT DOCUMENTS			<u></u>
EXAMINER NITIAL		DOCUMENT NU	MBER	DATE	COUNTRY	CLASS	SUB-	TRANSLATIO
 	AJ						CLASS	
-	AK							i
-+-	10110	500054044		00/4000	- 		-	
lyl.	AL19	EP 0 254 844 A2		02/1988	EP	H03D	7/00	N
	AM19	EP 0 632 577 A1		01/1995	EP	H03D	7/16	N
T.		ОТІ	IER (Inc	luding Author,	Title, Date, Pertinent Pa	ges, etc.)		
•	!!!	Į.						
	AN							
L.L.		56 Translation application	of Japa	nese Patent Pul	blication No. 60-130203, 3	pages (July 11, 198	5- Date of p	publication of
L.L.	AO	application). 	MHz/1.8-Ghz CI	blication No. 60-130203, 3 MOS Transmitter for Dual- pp. 128-131 (1998).			
	AO .	application) Razavi, B., Digest of To	"A 900-I echnical	MHz/1.8-Ghz Cl Papers, IEEE, I	MOS Transmitter for Dual-	Band Applications,*	Symposium	on VLSI Circuit
	AP AQ	application) 56 Razavi, B., Digest of To	"A 900-I echnical ., "SDA, and Pub	MHz/1.8-Ghz Cl Papers, IEEE, I A New Solution blishers, pp. 729	MOS Transmitter for Dual- pp. 128-131 (1998).	Band Applications," Iropean Microwave	Symposium Conference,	on VLSI Circuit Microwave
L. L.	AP AQ	application) 56 Razavi, B., Digest of To	"A 900-I echnical ., "SDA, and Pub	MHz/1.8-Ghz Cl Papers, IEEE, I A New Solution olishers, pp. 729	MOS Transmitter for Dual- pp. 128-131 (1998). for Transceivers,* 16th Eu-733 (September 8, 1986).	Band Applications," Iropean Microwave	Symposium Conference, 787, 1 page	on VLSI Circuit

ATTY. DOCKET NO. APPLICATION NO. 09/855,851 1744.1260001 FORM PTO-1449 APPLICANT Sorrells et al. SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT FILING DATE GROUP 2685 May 16, 2001 **U.S. PATENT DOCUMENTS EXAMINER DOCUMENT** INITIAL DATE NAME **CLASS** SUB-FILING DATE NUMBER **CLASS AA51** 5,937,013 08/1999 Lam et al. **AB51** 6,014,551 01/2000 Pesola et al. AC51 Sokoler 6,073,001 06/2000 AD51 6,085,073 07/2000 Palermo et al. AE51 6,400,963 B1 06/2002 Glöckler et al. 05/21/1999 AF51 6,230,000 B1 05/2001 Tayloe 10/15/1998 **AG51** 5,483,695 01/1996 Pardoen AH51 6,542,722 B1 04/2003 Sorrells et al. 04/16/1999 AI51 6,560,301 B1 05/2003 Cook et al. 04/16/1999 **FOREIGN PATENT DOCUMENTS EXAMINER** INITIAL DOCUMENT NUMBER DATE COUNTRY TRANSLATION CLASS SUB-CLASS AJ20 JP 60-130203 07/1985 H₀3D 7/00 Yes (Doc. AO56) AK20 DE 196 27 640 A1 01/1997 DE H₀3D 7/12 No AL₂₀ 08/1983 EP H03D EP 0 087 336 A1 7/12 No **AM20** EP 0 087 336 B1 07/1986 EP H03D 7/12 No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Akos, D.M. et al., "Direct Bandpass Sampling of Multiple Distinct RF Signals," *IEEE Transactions on Communications*, IEEE, Vol. 47, No. 7, pp. 983-988 (July 1999). AN <u>57</u> Patel, M. et al., "Bandpass Sampling for Software Radio Receivers, and the Effect of Oversampling on Aperture AO 57 Jitter," VTC 2002, IEEE, pp. 1901-1905 (2002). English-language Abstract of Japanese Patent Publication No. 61-030821, 1 Page (February 13, 1986- Date of AP <u>57</u> publication of application). English-language Abstract of Japanese Patent Publication No. 05-327356, 1 Page (December 10, 1993 - Date AQ <u>57</u> of publication of application). Tayloe, D., "A Low-noise, High-performance Zero IF Quadrature Detector/Preamplifier," RF Design, Primedia AR <u>57</u> Business Magazines & Media, Inc., pp. 58, 60, 62 and 69 (March 2003). **EXAMINER** DATE CONSIDERED 05 **EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

::ODMA\MHODMA\SKGF_DC1;147994;1

					1744.1260001	•	1	ICATION 55,851	10.	
	I	PORM	PTO-1449		APPLICANT			•		
SUPPLEMEN	TAL INFO	RMAT	ION DISCLOSURE	STATEMENT	Sorrells et al.					
						FILING DATE GROUMAY 16, 2001 2689		= =		
				U.S. PAT	ENT DOCUMENTS		1			
EXAMINER INITIAL			CUMENT MBER	DATE	NAME	CL	ASS	SUB- CLASS	FILING DATE	
120	AA52	+	98.046	08/2000	Cooper et al.	-				
- L	AB52	+	10,326	04/1995	Goldstein			 	 	
l	AC52	+	56,025	09/1999	Goulden et al.			1	 	
l	AD52	-	27,941	10/2000	Van Ryzin			1		
	AE52		54,097	10/1996	Swanke				1	
	AF52		98,912	04/1999	Heck et al.				 	
	AG52	+	30,164	04/1987	Leibowitz	-				
	AH52		30,902 B1	06/2003	Sorrells et al.				04/16/1999	
	Al									
				FOREIGN P	ATENT DOCUMENTS					
EXAMINER INITIAL		DOC	CUMENT NUMBER	DATE	COUNTRY	CL	ASS	SUB- CLASS	TRANSLATION	
Lil	AJ21	EP (0 789 449 A2&A3	08/1997	EP	Но	3D	7/12	N/A	
	AK21	FR	2 669 787 A1	05/1992	FR	Ho	3D	7/14	No	
	AL21	GB	2 324 919 A	11/1998	GB	Н0:	3D	7/18	N/A	
	AM21	JP 6	31-30821	02/1986	JP	Ho	4B	1/10	No	
			OTHER (Including Author	r, Title, Date, Pertinen	t Pages, etc.)				
1.1	AN	<u>58</u>	Dines, J.A.B., "S Journal of Select	mart Pixel Optoel ed Topics in Qua	ectronic Receiver Base ntum Electronics, IEEE	ed on a Charge S , Vol. 2, No. 1, p	Sensitive	Amplifier I 120 (April 1	Design,* <i>IEEE</i> 996).	
	AO	<u>58</u>	Simoni, A. et al., Control and Instr	*A Digital Camen umentation, IEEE	a for Machine Vision," 2 , pp. 879-883 (Septemi	20th Internationa ber 1994).	nl Confei	rence on In	dustrial Electronics,	
	AP	<u>58</u>	Stewart, R.W. ar Communication I	d Pfann, E., "Ove Engineering Jourr	ersampling and sigma-d nal, IEEE, pp. 37-47 (Fe	delta strategies f ebruary 1998).	or data	conversion,	" Electronics &	
	AQ	<u>58</u>	Rudell, J.C. et al Applications," IEI	., "A 1.9-Ghz Wid EE Journal of Sol	e-Band IF Double Convid-State Circuits, IEEE,	version CMOS F Vol. 32, No. 12,	Receiver pp. 207	for Cordles 1-2088 (De	is Telephone ecember 1997).	
	AR									
EXAMINER			Cana	le		DATE	CONS	DERED	5/01/05	
conformance a	nd not con:	sidere	d. Include copy of	er or not citation I this form with ne	s in conformance with I	MPEP 609. Dra	w line th	rough citati	on if not in	
:ODMAVMHOD	MAISKGF_	DC1;1	147994;1							

				ATTY. DOCKET NO. 1744.1260001		APPLICATION NO. 09/855,851		
STIDDT.PMPNT		ORM PTO-1449	o constituentos	APPLICANT				
<u>BOX Y DUNDITY</u>	id xurv	ATTAIN DISCHOSURE	SIAIBMBNI	PILING DATE May 16, 2001	GR01 268	GROUP 2685		
		 	U.S. PA1	TENT DOCUMENTS				
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE	
	AA	, to industry				10000		
	AB							
	AC							
	AD							
	AE							
	AF					<u> </u>	_	
	AG			<u> </u>			-	
	AH		*********			+		
	I Vi	1	FOREIGN P	PATENT DOCUMENTS	l	I .		
EXAMINER INITIAL		DOCUMENT NUMBER		COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
Lili	AJ22	JP 5-327356	12/1993	JP	H03D	7/00	No	
	AK22	EP 0 643 477 A2 & A3	03/1995	EP	H03D	7/16	N/A	
	AL22	EP 0 877 476 A1	11/1998	EP	H03D	7/16	N/A	
	AM22	EP 0 977 351 A1	02/2000	EP	H03D	7/16	N/A	
, -		OTHER (I	ncluding Autho	r, Title, Date, Pertinent Pag	ges, etc.)			
	l							
	AN							
	AO	·						
	AP							
	AQ			·		, ,		
-	AR							
EXAMINER			n le		DATE CONS	C	5/01/05	
EXAMINER: Initi conformance and ODMA\MHODMA	not cons	sidered. Include copy of	er or not citation i this form with ne	s in conformance with MPEI at communication to Applica	P 609. Draw line t nt.	hrough citation		

FORM PTO-1449 SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT				ATTY. DOCKET NO. 1744.1260001	APPLICATION NO. 09/855,851			
				APPLICANT Sorrells of al				
SVEFUEIGHTE	TO TWEO	RMATION DISCLOSUR	FILING DATE May 16, 2001	GROUP 2685				
			U.S. PA	TENT DOCUMENTS				
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CL	ASS	SUB- CLASS	FILING DATE
	AA							
	AB	<u> </u>					ļ	
	AC						ļ	 -
	AD AE	· · · · · · · · · · · · · · · · · · ·	<u> </u>				 	
	AF						+	
	AG							
	AH						1	
	Al ·							
			FOREIGN	PATENT DOCUMENTS				
EXAMINER INITIAL		DOCUMENT NUMBE	R DATE	COUNTRY	CL	ASS	SUB- CLASS	TRANSLATION
V	AJ23	WO 00/31659 A1	06/2000	PCT				
	AK							
	AL							
	AM							
		OTHER (Including Author	or, Title, Date, Pertinent P	Pages, etc.)			
	AN							
	AO							
								
	AP							
·	AQ							
	AR		2					
EXAMINER		Tara	h		DATE	CONS	IDERED	8/01/00
EXAMINER: Initi	al if refer	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	er or not citation	is in conformance with MF	PEP 609. Drav	w line th	rough citation	on if not in

conformance and not considered. Include copy of this form with next communication to Applicant. ::ODMAIMHODMAISKGF_DC1;147994;1

FORM PTO-1449					ATTY. DOCKET NO. APPLICATION NO. 1744.1260001 09/855,851				
					INVENTORS SORRELLS et al.				
SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT					FILING DATE ART UNIT				
INFORM	MATION L	ISCL	OSURE STATEME		May 16, 2001	2685			
EXAMINER	T	Т		U.S. PAI	ENT DOCUMENTS		T	Ι-	
INITIAL A	ļ	1	CUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE	
Lila	AA54	 	16,366	04/1977	Kurata				
	AB54	4,04	45,740	08/1977	Baker				
	AC54	4,1	15,737	09/1978	Hongu et al.				
	AD54	5,7	10,992	01/1998	Sawada et al.				
	AE54	5,79	90,587	08/1998	Smith et al.				
	AF54	4,7	40,675	04/1988	Brosnan et al.				
	AG54	5,4	83,600	01/1996	Werrbach				
	AH54	6,0	11,435	01/2000	Takeyabu et al.				
	AI54	6,3	21,073 B1	11/2001	Luz et al.				
EXAMINER	1 :		F	OREIGN P	ATENT DOCUMENTS		η		
INITIAL	ļ	DOC	CUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
	AJ							Yes No	
	AK				·			Yes No	
	AL							Yes	
	AM							Yes No	
		·	OTHER (Includ	ing Autho	r, Title, Date, Pertinent Pag	jes, etc.)		1 140	
	AN				,	,			
	AO								
	AP								
	AQ			. +					
	AR								
EXAMINER	1_		eva -			DATE CO	NSIDERED	8 /02/nz	
EXAMINER: Initi	al if referen	œ cor	nsidered, whether or i	not citation is i	n conformance with MPEP 609. Dr	aw line through	h citation if not i	n conformance	
and not considere 327748_1.DOC	a. Indude	сору	of this form with next	communicatio	n to Applicant,				